

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 1 152 120 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
12.06.2002 Bulletin 2002/24

(51) Int Cl.7: E21B 43/10, E21B 43/08

(43) Date of publication A2:
07.11.2001 Bulletin 2001/45

(21) Application number: 01304042.3

(22) Date of filing: 03.05.2001

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR
Designated Extension States:
AL LT LV MK RO SI

(30) Priority: 05.05.2000 US 565899

(71) Applicant: Halliburton Energy Services, Inc.
Dallas, Texas 75381-9052 (US)

(72) Inventors:

- Castano-Mears, Ana M.
Coppell, Texas 75019 (US)
- Gano, John C.
Carrollton, Texas 75007 (US)
- Echols, Ralph H.
Carrollton, Texas 75287 (US)

(74) Representative: Curtis, Philip Anthony et al
A.A. Thornton & Co.,
235 High Holborn
London WC1V 7LE (GB)

(54) Expandable well screen

(57) An expandable well screen (36) provides increased collapse, torsional and tensile strength. In an embodiment, the expandable well screen (36) includes a generally tubular base pipe (38) and an external filtering media (40). The well screen (36) is configured to have sufficient torsional and tensile strength for conveyance and positioning in a wellbore, while also having sufficient strength to prevent collapse when the screen (38) is radially expanded.

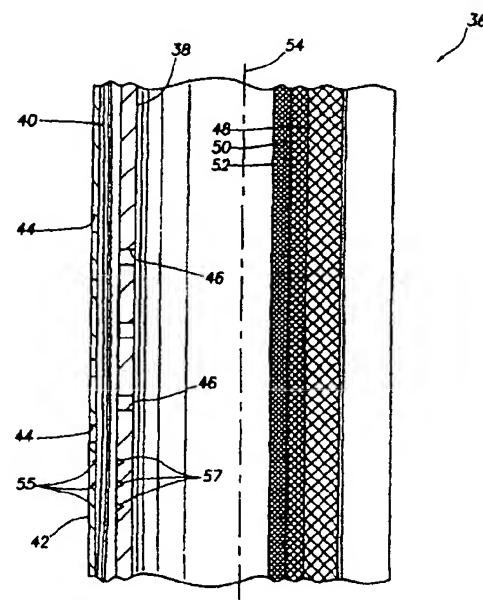


FIG.2

EP 1 152 120 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 01 30 4042

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
X	FR 2 771 133 A (DRILLFLEX) 21 May 1999 (1999-05-21) * claim 1 * * figures 6,7 *	1,9	E21B43/10 E21B43/08
X	US 3 099 318 A (MILLER MONTGOMERY K ET AL) 30 July 1963 (1963-07-30) * column 7, line 29-32 * * figures 1-4 *	1,9	
X	WO 98 49423 A (SHELL CANADA LTD ;SHELL INT RESEARCH (NL)) 5 November 1998 (1998-11-05) * page 4, line 28-35 * * figures 3,4 *	7	
A	US 5 901 789 A (KENTER CORNELIS JAN ET AL) 11 May 1999 (1999-05-11) * the whole document *	1,3,5, 7-10	
			TECHNICAL FIELDS SHELL (Int.CI.7)
			E21B
<p>The present search report has been drawn up for all claims</p>			
Place of search	Date or completion of the search	Examiner	
THE HAGUE	19 April 2002	Schouten, A	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons S : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 30 4042

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

19-04-2002

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
FR 2771133	A	21-05-1999	FR AU WO	2771133 A1 1159199 A 9925951 A1	21-05-1999 07-06-1999 27-05-1999
US 3099318	A	30-07-1963		NONE	
WO 9849423	A	05-11-1998	AU AU BR WO EP NO	717503 B2 7651798 A 9809005 A 9849423 A1 0980462 A1 995248 A	30-03-2000 24-11-1998 08-08-2000 05-11-1998 23-02-2000 27-10-1999
US 5901789	A	11-05-1999	AU AU BR DE EA WO EP JP NO NZ US	710745 B2 7568096 A 9611456 A 69617258 D1 980433 A1 9717524 A2 0859902 A2 11514712 T 982087 A 322015 A 6012522 A	30-09-1999 29-05-1997 17-02-1999 03-01-2002 29-10-1998 15-05-1997 26-08-1998 14-12-1999 07-07-1998 28-10-1999 11-01-2000

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82